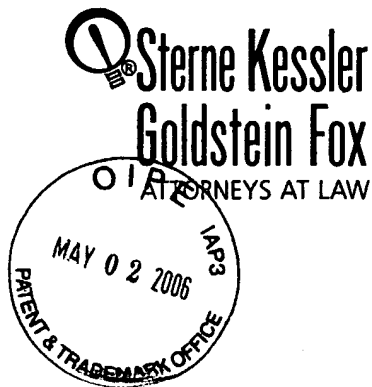


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Robert Greene Sterne
Jorge A. Goldstein
David K.S. Cornwell
Robert W. Esmond
Tracy-Gene G. Durkin
Michele A. Cimbala
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Eric K. Steffe
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Michelle K. Holoubek
Marsha A. Rose

Christopher J. Walsh
W. Blake Coblentz
James J. Pohl*
Young Tang
John T. Haran*
Mark W. Rygiel

Registered Patent Agents*
Karen R. Markowicz
Matthew J. Dowd
Katrina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Victoria S. Rutherford
Simon J. Elliott
Julie A. Heider
Mita Mukherjee
Scott M. Woodhouse

Liliana Di Nola-Baron
Peter A. Socarras
Jeffrey K. Mills
Danielle L. Letting
Lori Brandes

Of Counsel
Edward J. Kessler
Kenneth C. Bass III
Marvin C. Guthrie

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*Admitted only in Virginia
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Federal Agencies

May 2, 2006

WRITER'S DIRECT NUMBER:
(202) 772-8831

INTERNET ADDRESS:
JWEAVER@SKGF.COM

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2687

**Attn: Mail Stop
Certificate of Correction Branch**

Re: U.S. Utility Patent
Patent No. 7,016,663 B2; Issued: March 21, 2006
For: **Applications of Universal Frequency Translation**
Inventors: **SORRELLS et al.**
Our Ref: 1744.0140006

Certificate
MAY 04 2006
of Correction

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Certificate of Correction Under 37 C.F.R. § 1.322;
2. Completed Form PTO-1050, with the noted corrections printed thereon; and
3. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

MAY 05 2006

Commissioner for Patents
May 2, 2006
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Jeffrey S. Weaver", with a long horizontal line extending to the right.

Jeffrey S. Weaver
Attorney for Patentees
Registration No. 45,608

MQL/JSW:apg
Enclosures

527092_1.DOC

MAY 05 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

SORRELLS *et al.*

Patent. No.: 7,016,663 B2

Issued: March 21, 2006

For: **Applications of Universal
Frequency Translation**

Confirmation No.: 1369

Art Unit: 2687

Examiner: Bhattacharya, Sam

Atty. Docket: 1744.0140006

**Request for Certificate of Correction
Under 37 C.F.R. § 1.322**

Attn: Certificate of Correction Branch

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. § 1.322 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by the U.S. Patent and Trademark Office.

Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

- In the References Cited section, on page 9, line 61 in the first column, "Notzl" should be changed to --Ndzi--.
- In the References Cited section, on page 13, line 49 in the second column, "Fast" should be changed to --Fest--.
- In the References Cited section, on page 14, line 23 in the first column, "023350" should be changed to --023359--.

MAY 05 2006

- In column 7, lines 24 and 25 should be deleted and replaced with
$$\frac{Freq_{input} - Freq_{IF}}{n} = Freq_{control}$$
$$(901 \text{ MHz} - 1 \text{ MHz})/n = 900/n$$

- In column 7, lines 55 and 56 should be deleted and replaced with
$$\frac{Freq_{input} - Freq_{IF}}{n} = Freq_{control}$$
$$(900 \text{ MHz} - 0 \text{ MHz})/n = 900 \text{ MHz}/n$$

- In column 8, lines 22 and 23 should be deleted and replaced with
$$\frac{Freq_{input} - Freq_{IF}}{n} = Freq_{control}$$
$$(900 \text{ MHz} - 0 \text{ MHz})/n = 900 \text{ MHz}/n$$

- In column 38, after line 41, please insert claims 37 and 38, shown below:

- **Claims 37 and 38**

37. A method for communication in a network, comprising the steps of:

(1) receiving a first communication signal;

(2) down-converting said first communication signal to generate a second communication signal, said second communication signal having a lower frequency than said first communication signal, using at least one sub-sampling switch, a storage device coupled to said at least one sub-sampling switch to store energy from the sub-sampling switch, wherein said at least one sub-sampling switch and said storage device operate according to control signal apertures such that energy is integrated over said control signal apertures, said second communication signal generated from the stored energy, and a control signal generator coupled to said at least one sub-sampling switch; and

(3) up-converting a third signal to generate a fourth signal, using at least one second switch coupled to a bias signal and a control signal.

38. The method of claim 37, wherein the network is a wireless local area network (WLAN).

MAY 05 2006

Remarks

The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "J. M. A. W.", with a large loop at the beginning and a horizontal line at the end.

Jeffrey S. Weaver
Attorney for Patentees
Registration No. 45,608

Date: May 2, 2006

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

527046_1.DOC

MAY 05 2006

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 7,016,663 B2

DATED: March 21, 2006

INVENTORS: SORRELLS *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

References Cited Section

On page 9, line 61 in the first column, "Notzl" should be changed to --Ndzi--.

References Cited Section

On page 13, line 49 in the second column, "Fast" should be changed to --Fest--.

References Cited Section

On page 14, line 23 in the first column, "023350" should be changed to --023359--.

Column 7

In lines 24 and 25 should be deleted and replaced with

--($\text{Freq}_{\text{input}} - \text{Freq}_F$)/ n = $\text{Freq}_{\text{control}}$
(901 MHZ-1 MHZ)/ n =900/ n --.

Column 7

In lines 55 and 56 should be deleted and replaced with

--($\text{Freq}_{\text{input}} - \text{Freq}_F$)/ n = $\text{Freq}_{\text{control}}$
(900 MHZ-0 MHZ)/ n = 900 MHZ/ n --.

Column 8

In lines 22 and 23 should be deleted and replaced with

--($\text{Freq}_{\text{input}} - \text{Freq}_F$)/ n = $\text{Freq}_{\text{control}}$
(900 MHZ-0 MHZ)/ n =900 MHZ/ n --.

MAILING ADDRESS OF SENDER:

Sterne, Kessler, Goldstein & Fox P.L.L.C.
1100 New York Avenue, N.W.
Washington, DC 20005-3934

PATENT NO. 7,016,663 B2

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 7,016,663 B2

DATED: March 21, 2006

INVENTORS: SORRELLS *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

Column 38

After line 41, please insert claims 37 and 38, shown below:

Claims 37 and 38

37. A method for communication in a network, comprising the steps of:

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- (2) down-converting said first communication signal to generate a second communication signal, said second communication signal having a lower frequency than said first communication signal, using at least one sub-sampling switch, a storage device coupled to said at least one sub-sampling switch to store energy from the sub-sampling switch, wherein said at least one sub-sampling switch and said storage device operate according to control signal apertures such that energy is integrated over said control signal apertures, said second communication signal generated from the stored energy, and a control signal generator coupled to said at least one sub-sampling switch; and
- (3) up-converting a third signal to generate a fourth signal, using at least one second switch coupled to a bias signal and a control signal.

38. The method of claim 37, wherein the network is a wireless local area network (WLAN).

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Sterne, Kessler, Goldstein & Fox P.L.L.C.
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Washington, DC 20005-3934

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